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语义角色视角下的谓词同义词辨析

Predicate Synonym Differentiation from the View of
Thematic-role

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摘 要

本文在吸收格语法、配价语法及其他研究成果的基础上，构建了一个基于语义角色的谓词组合能力和组合语义关系描写框架，将处于聚合关系的谓词同义词的辨析交由组合关系来解决。循此思路，对谓词同义词的辨析应按照句法功能、语义组合关系（语义角色关系）、语义属性三个优先性由大到小的层级进行，最终将句法功能、语义角色关系都相同的谓词同义词的辨析推进到对担当语义角色的名词短语的语义属性的观察上。在句法功能的观察上，指出了分属不同小类的谓词同义词组的句法功能差异。在语义角色关系的观察上，综合已有的各家研究成果建立谓词语义角色关系数据库，通过与谓词同义词数据库联表查询提取其角色关系差异，指出了语义角色重叠情况的不一致及语义角色默认值的不同也是某些类谓词同义词的重要差异。在语义属性的观察上，选取了有生与无生、个体与集体、具体与抽象、物体与事件、数的信息、评价特征、主体意愿、自己与他人八个语义属性进行了相对封闭的观察，找出了在这些方面存在差异的谓词同义词组。这种对语义属性的自下而上的归纳概括的结果可以对人类近义语码的选择能力作出有效解释，对于人工智能领域的汉语语言知识库的建设也具有重要的意义。对语义属性的描写理论上是无穷尽的，其深浅的度应由对同义词的辨析来决定，只要能够显示谓词同义词的区别即可。本文并对语义结构比较特殊的存在语义的表达所用的词汇和语法手段进行了专门的探讨。

关键词： 谓词同义词；语义角色；语义属性

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Abstract

With the incorporation of the research achievements on Case Grammar, Valence Grammar and other directions, in this thesis, we build a description framework for representing predicates combination capabilities and combination semantic relationships based on thematic-role. In this framework, the differentiation of predicates synonym (DPS in short) with paradigmatic relationship is resolved by syntagmatic relationship. Based on this idea, DPS should be conducted with three priority levels, from grammatical function, to semantic combination relationships (thematic-role relationships), and then semantic feature. In the end DPS with the same grammatical function and thematic-role relationships could be actually handled in the observation of the semantic feature of the noun phrase who undertakes the thematic-role. For the grammatical function, differences of the predicates synonym phrase belonging to different sub-category are analyzed. For the thematic-role, a predicates thematic-role database is created based on the existing research results, on which a query could be used to retrieve thematic-role differences. It is found that the overlapping inconsistency and different default value of thematic-role are important differences for some type of predicates synonyms. For the semantic feature, eight types of them are analyzed in a closure to some degree; they are animate and inanimate, individual nouns and collective nouns, abstract and concrete, object and event, numerical information, evaluation information, subjective wills, myself and other. The corresponding type of predicate synonym phrases are searched and found. The result of this bottom-up induction for semantic feature could be beneficial for the explanation of the capability of mankind to choose symbol with similar semantic, and also for the building of lexical Knowledge Base. The description of semantic features is in-exhaustive in theory, but the extreme should be decided by synonym differentiation which leads to the clear understanding of the predicate synonym. The dissertation also presents the discussion of the existence semantic representation terms and syntax that have special semantic structure.

Key words: predicate synonymy; thematic-role; semantic feature

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